APPENDIX

1. Experiment: Effects of Fe toxicity on Laos rice variety (TDK 1).

1.1. Completely Randomized AOV for Plant Height

Source	DF	SS	MS	F	P
Treat	2	550.042	275.021	7.93	0.0103
Error	9	312.188	34.688		
Total	11	862.229			

Grand Mean 59.792   CV 9.85

Component of variance for between groups   60.0833

Effective cell size   4.0

Treat	Mean
Control	66.000
Fe1000	63.000
Fe2000	50.375

Observations per Mean   4

Standard Error of a Mean   2.9448

Std Error (Diff of 2 Means) 4.1646

1.2. LSD All-Pairwise Comparisons Test of Plant Height

Treat	Mean	Homogeneous Groups
Control	66.000	A
Fe1000	63.000	A
Fe2000	50.375	B

Alpha   0.05   Standard Error for Comparison   4.1646

Critical T Value 2.262   Critical Value for Comparison   9.4209

There are 2 groups (A and B) in which the means

are not significantly different from one another.

1.3. Completely Randomized AOV for Leaf Number

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Source   DF     SS       MS       F      P
Treat    2    364.292   182.146   5.50   0.0275
Error    9    298.125    33.125
Total   11    662.417
Grand Mean 43.917    CV 13.11
```

Component of variance for between groups   37.2552

Effective cell size   4.0

```
Treat          Mean
Control       47.750
Fe1000        47.875
Fe2000        36.125
```

Observations per Mean   4

Standard Error of a Mean   2.8777

Std Error (Diff of 2 Means) 4.0697

1.4. LSD All-Pairwise Comparisons Test of Leaf Number

```
Treat    Mean Homogeneous Groups
Fe1000   47.875        A
Control  47.750        A
Fe2000   36.125        B
```

Alpha   0.05   Standard Error for Comparison 4.0697

Critical T Value 2.262   Critical Value for Comparison 9.2063

There are 2 groups (A and B) in which the means
are not significantly different from one another.

1.5. Completely Randomized AOV for Root Length

Source	DF	SS	MS	F	P
Treat	2	684.667	342.333	13.2	0.0021
Error	9	233.563	25.951		
Total	11	918.229			

Grand Mean 30.292   CV 16.82

Component of variance for between groups   79.0955

Effective cell size   4.0

Treat	Mean
Control	36.125
Fe1000	35.125
Fe2000	19.625

Observations per Mean   4

Standard Error of a Mean   2.5471

Std Error (Diff of 2 Means) 3.6022

1.6. LSD All-Pairwise Comparisons Test of Root Length

Treat	Mean	Homogeneous Groups
Control	36.125	A
Fe1000	35.125	A
Fe2000	19.625	B

Alpha   0.05   Standard Error for Comparison 3.6022

Critical T Value 2.262   Critical Value for Comparison 8.1487

There are 2 groups (A and B) in which the means

are not significantly different from one another.

1.7. Completely Randomized AOV for Tiller number

Source	DF	SS	MS	F	P
Treat	2	18.2917	9.14583	5.01	0.0345
Error	9	16.4375	1.82639		
Total	11	34.7292			

Grand Mean 9.4583   CV 14.29

Component of variance for between groups   1.82986

Effective cell size   4.0

Treat	Mean
Control	10.000
Fe1000	10.625
Fe2000	7.750

Observations per Mean   4

Standard Error of a Mean   0.6757

Std Error (Diff of 2 Means) 0.9556

1.8. LSD All-Pairwise Comparisons Test of Tiller Number

Treat	Mean	Homogeneous Groups
Fe1000	10.625	A
Control	10.000	A
Fe2000	7.7500	B

Alpha   0.05   Standard Error for Comparison 0.9556

Critical T Value 2.262   Critical Value for Comparison 2.1617

There are 2 groups (A and B) in which the means

are not significantly different from one another.

1.9. Completely Randomized AOV for Total Dry Weight

Source	DF	SS	MS	F	P
Treat	2	47.5531	23.7765	14.5	0.0015
Error	9	14.7109	1.6345		
Total	11	62.2639			

Grand Mean 8.4008   CV 15.22

Component of variance for between groups   5.53550

Effective cell size   4.0

Treat	Mean
Control	10.407
Fe1000	9.107
Fe2000	5.688

Observations per Mean   4

Standard Error of a Mean   0.6392

Std Error (Diff of 2 Means) 0.9040

1.10. LSD All-Pairwise Comparisons Test of Total Dry Weight

Treat	Mean	Homogeneous Groups
Control	10.407	A
Fe1000	9.1075	A
Fe2000	5.6875	B

Alpha   0.05   Standard Error for Comparison 0.9040

Critical T Value 2.262   Critical Value for Comparison 2.0451

There are 2 groups (A and B) in which the means

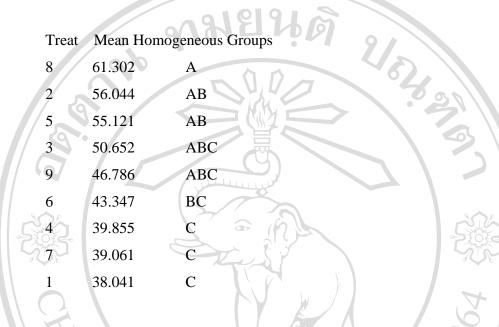are not significantly different from one another.

2. Experiment 2 Screening Fe toxicity tolerance in different rice varieties.

2.1. Randomized Complete Block AOV Table for Total dry weight

Source	DF	SS	MS	F	P
Rep	3	158.45	52.817		
Treat	8	2270.31	283.788	2.82	0.0235
Error	24	2418.01	100.750		
Total	35	4846.77			

Grand Mean 47.801   CV 21.00

Source	DF	SS	MS	F	P
Nonadditivity	1	211.25	211.253	2.20	0.1514
Remainder	23	2206.75	95.946		

Means of DW for Treat

Treat	Mean
1	38.041
2	56.044
3	50.652
4	39.855
5	55.121
6	43.347
7	39.061
8	61.302
9	46.786

Observations per Mean   4

Standard Error of a Mean   5.0187

Std Error (Diff of 2 Means) 7.0975

2.2. LSD All-Pairwise Comparisons Test of Total dry weight

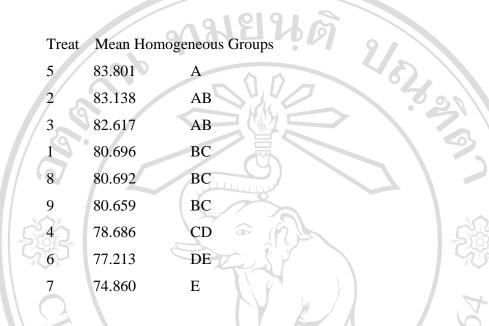| Treat	Mean	Homogeneous Groups
8	61.302	A
2	56.044	AB
5	55.121	AB
3	50.652	ABC
9	46.786	ABC
6	43.347	BC
4	39.855	C
7	39.061	C
1	38.041	C

Alpha   0.05   Standard Error for Comparison 7.0975

Critical T Value 2.064   Critical Value for Comparison 14.649

Error term used: Rep*Treat, 24 DF

There are 3 groups (A, B, etc.) in which the means

are not significantly different from one another.

2.3. Randomized Complete Block AOV Table for Plant height

Source	DF	SS	MS	F	P
Rep	3	508.678	169.559		
Treat	8	271.317	33.915	11.73	0.0000
Error	24	69.411	2.892		
Total	35	849.405			

Grand Mean 80.263   CV 2.12

Source	DF	SS	MS	F	P
Nonadditivity	1	1.0126	1.01260	0.34	0.5652
Remainder	23	68.3982	2.97383		

Means of High for Treat

Treat	Mean
1	80.696
2	83.138
3	82.617
4	78.686
5	83.801
6	77.213
7	74.860
8	80.692
9	80.659

Observations per Mean   4

Standard Error of a Mean   0.8503

Std Error (Diff of 2 Means) 1.2025

2.4. LSD All-Pairwise Comparisons Test of Plant height

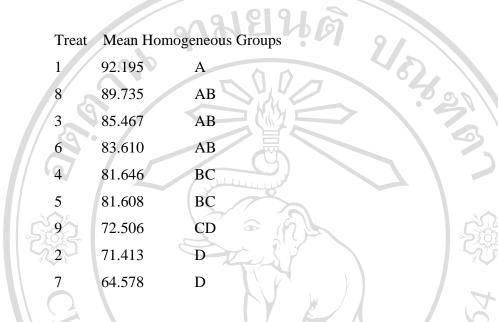| Treat	Mean	Homogeneous Groups
5	83.801	A
2	83.138	AB
3	82.617	AB
1	80.696	BC
8	80.692	BC
9	80.659	BC
4	78.686	CD
6	77.213	DE
7	74.860	E

Alpha   0.05   Standard Error for Comparison 1.2025

Critical T Value 2.064   Critical Value for Comparison 2.4819

Error term used: Rep*Treat, 24 DF

There are 5 groups (A, B, etc.) in which the means

are not significantly different from one another.

2.5. Randomized Complete Block AOV Table for Root length

Source	DF	SS	MS	F	P
Rep	3	197.32	65.772		
Treat	8	2634.23	329.278	7.65	0.0000
Error	24	1032.45	43.019		
Total	35	3863.99			

Grand Mean 80.306   CV 8.17

Source	DF	SS	MS	F	P
Nonadditivity	1	7.70	7.7016	0.17	0.6814
Remainder	23	1024.75	44.5543		

Means of L for Treat

Treat	Mean
1	92.195
2	71.413
3	85.467
4	81.646
5	81.608
6	83.610
7	64.578
8	89.735
9	72.506

Observations per Mean   4

Standard Error of a Mean   3.2794

Std Error (Diff of 2 Means) 4.6378

2.6. LSD All-Pairwise Comparisons Test of Root length

Treat	Mean	Homogeneous Groups
1	92.195	A
8	89.735	AB
3	85.467	AB
6	83.610	AB
4	81.646	BC
5	81.608	BC
9	72.506	CD
2	71.413	D
7	64.578	D

Alpha   0.05   Standard Error for Comparison 4.6378

Critical T Value 2.064   Critical Value for Comparison 9.5720

Error term used: Rep*Treat, 24 DF

There are 4 groups (A, B, etc.) in which the means

are not significantly different from one another.

2.7. Randomized Complete Block AOV Table for %LBI

Source	DF	SS	MS	F	P
Rep	3	497.61	165.870		
Treat	8	1212.88	151.610	4.07	0.0035
Error	24	893.43	37.226		
Total	35	2603.92			

Grand Mean 36.856   CV 16.55

Source	DF	SS	MS	F	P
Nonadditivity	1	168.868	168.868	5.36	0.0299
Remainder	23	724.560	31.503		

Means of LBI for Treat

Treat	Mean
1	37.391
2	30.929
3	44.049
4	42.907
5	31.416
6	37.594
7	45.385
8	33.056
9	28.973

Observations per Mean   4

Standard Error of a Mean   3.0507

Std Error (Diff of 2 Means) 4.3143

2.8. LSD All-Pairwise Comparisons Test of %LBI

Treat	Mean	Homogeneous Groups
7	45.385	A
3	44.049	A
4	42.907	A
6	37.594	AB
1	37.391	AB
8	33.056	B
5	31.416	B
2	30.929	B
9	28.973	B

Alpha   0.05   Standard Error for Comparison 4.3143

Critical T Value 2.064   Critical Value for Comparison 8.9043

Error term used: Rep*Treat, 24 DF

There are 2 groups (A and B) in which the means

are not significantly different from one another.

2.9. Randomized Complete Block AOV Table for Leaf number

Source	DF	SS	MS	F	P
Rep	3	9943.3	3314.45		
Treat	8	752.2	94.03	12.48	0.0000
Error	24	180.8	7.53		
Total	35	10876.4			

Grand Mean 52.847   CV 5.19

Source	DF	SS	MS	F	P
Nonadditivity	1	9.041	9.04108	1.21	0.2826
Remainder	23	171.793	7.46925		

Means of Leaf for Treat

Treat	Mean
1	47.423
2	60.999
3	52.106
4	48.001
5	54.319
6	52.075
7	47.528
8	58.722
9	54.454

Observations per Mean   4

Standard Error of a Mean   1.3725

Std Error (Diff of 2 Means) 1.9410

2.10. LSD All-Pairwise Comparisons Test of Leaf number

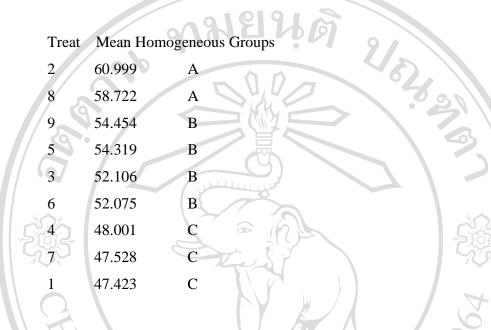| Treat	Mean	Homogeneous Groups
2	60.999	A
8	58.722	A
9	54.454	B
5	54.319	B
3	52.106	B
6	52.075	B
4	48.001	C
7	47.528	C
1	47.423	C

Alpha   0.05   Standard Error for Comparison 1.9410

Critical T Value 2.064   Critical Value for Comparison 4.0060

Error term used: Rep*Treat, 24 DF

There are 3 groups (A, B, etc.) in which the means

are not significantly different from one another.

2.11. Randomized Complete Block AOV Table for Tiller number

Source	DF	SS	MS	F	P
Rep	3	13329.2	4443.08		
Treat	8	345.7	43.21	2.38	0.0483
Error	24	436.5	18.19		
Total	35	14111.4			

Grand Mean 46.972   CV 9.08

Source	DF	SS	MS	F	P
Nonadditivity	1	27.690	27.6898	1.56	0.2245
Remainder	23	408.820	17.7748		

Means of Tiller for Treat

Treat	Mean
1	45.706
2	48.945
3	48.100
4	43.125
5	48.557
6	47.343
7	41.701
8	52.816
9	46.459

Observations per Mean   4

Standard Error of a Mean   2.1324

Std Error (Diff of 2 Means) 3.0156

2.12. LSD All-Pairwise Comparisons Test of Tiller number

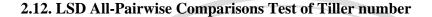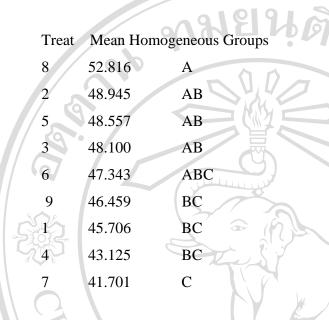| Treat	Mean	Homogeneous Groups
8	52.816	A
2	48.945	AB
5	48.557	AB
3	48.100	AB
6	47.343	ABC
9	46.459	BC
1	45.706	BC
4	43.125	BC
7	41.701	C

Alpha   0.05   Standard Error for Comparison 3.0156

Critical T Value 2.064   Critical Value for Comparison 6.2239

Error term used: Rep*Treat, 24 DF

There are 3 groups (A, B, etc.) in which the means

are not significantly different from one another.

Remark

1	(TDK1)
2	(TDK5)
3	(TDK6)
4	(TDK7)
5	(TDK10)
6	(TDK11)
7	(Muamgnga)
8	(RD10)

9   (IR70617-B4-B-19-2-3-1-1)

3. Experiment 3 Growth and yield of rice varieties with different sensitivity to Fe toxicity in the field with Fe toxicity problem in Vientiane, Laos.

- **Harvest1**

3.1. Analysis of Variance Table for %LBI

Source	DF	SS	MS	F	P
Rep	3	141.67	47.222	2.12	0.1399
Treat	1	37.50	37.500	1.69	0.2135
Var	2	1014.58	507.292	22.83	0.0000
Treat*Var	2	6.25	3.125	0.14	0.8699
Total	23	1533.33			

Grand Mean 46.667   CV 10.10

3.2. LSD All-Pairwise Comparisons Test of %LBI for treatment

Treat	Mean	Homogeneous Groups
Dipped	47.917	A
Control	45.417	A

Alpha   0.05   Standard Error for Comparison 1.9245

Critical T Value 2.131   Critical Value for Comparison 4.1020

Error term used: Rep*Treat*Var, 15 DF There are no significant pairwise differences among the means.

3.3. LSD All-Pairwise Comparisons Test of LBI for Var

Variety	Mean	Homogeneous Groups
TDK7	51.875	A
TDK10	50.625	A
TDK5	37.500	B

Alpha 0.05 Standard Error for Comparison 2.3570

Critical T Value 2.131 Critical Value for Comparison 5.0239

Error term used: Rep*Treat*Var, 15 DF There are 2 groups (A and B) in which the means

are not significantly different from one another.

3.4. LSD All-Pairwise Comparisons Test of LBI for Treat*Var

Treat	Var	Mean	Homogeneous Groups
Dipped	TDK10	52.50A	
Dipped	TDK7	52.50A	
Control	TDK7	51.25A	
Control	TDK10	48.75A	
Dipped	TDK5	38.75B	
Control	TDK5	36.25B	

Alpha 0.05 Standard Error for Comparison 3.3333

Critical T Value 2.131 Critical Value for Comparison 7.1048

Error term used: Rep*Treat*Var, 15 DF There are 2 groups (A and B) in which the means

are not significantly different from one another.

3.5. Analysis of Variance Table for Plant height

Source	DF	SS	MS	F	P
Rep	3	20.205	6.7350	0.70	0.5689
Treat	1	44.282	44.2817	4.57	0.0493
Var	2	75.880	37.9400	3.92	0.0427
Treat*Var	2	80.493	40.2467	4.16	0.3660
Error	15	145.205	9.6803		
Total	23	366.065			

Grand Mean 42.525   CV 7.32

3.6. LSD All-Pairwise Comparisons Test of Pht for treatment

Treat	Mean	Homogeneous Groups
Control	43.883	A
dipped	41.167	B

Alpha   0.05   Standard Error for Comparison 1.2702

Critical T Value 2.131   Critical Value for Comparison 2.7074

Error term used: Rep*Treat*Var, 15 DF All 2 means are significantly different from one another.

3.7. LSD All-Pairwise Comparisons Test of Pht for Var

Var	Mean	Homogeneous Groups
TDK10	44.375	A
TDK5	43.075	AB
TDK7	40.125	B

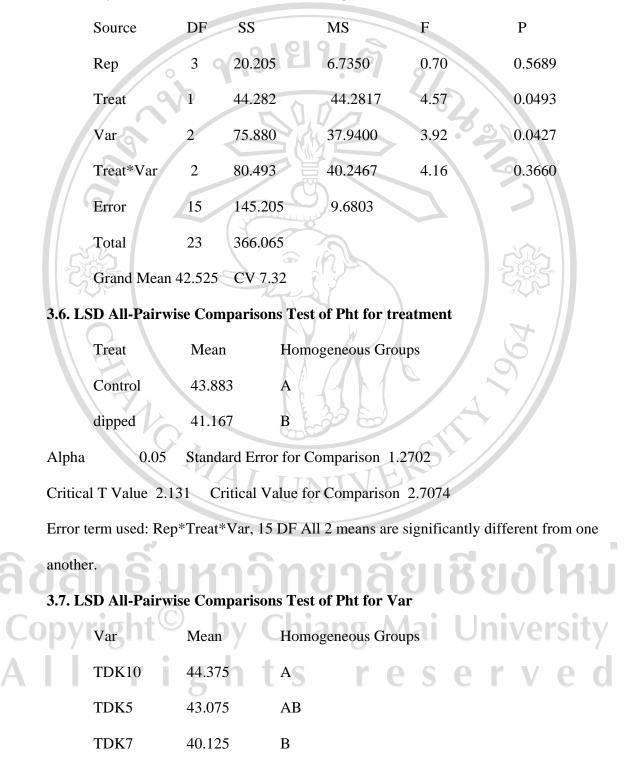Alpha   0.05   Standard Error for Comparison 1.5557

Critical T Value 2.131   Critical Value for Comparison 3.3158

Error term used: Rep*Treat*Var, 15 DF There are 2 groups (A and B) in which the means

are not significantly different from one another.

3.8. LSD All-Pairwise Comparisons Test of Pht for Treat*Var

Treat	Var	Mean	Homogeneous Groups
dipped	TDK10	44.600	A
Control	TDK10	44.150	A
Control	TDK7	44.050	A
Control	TDK5	43.450	A
dipped	TDK5	42.700	A
dipped	TDK7	36.200	B

Alpha   0.05   Standard Error for Comparison 2.2000

Critical T Value 2.131   Critical Value for Comparison 4.6893

Error term used: Rep*Treat*Var, 15 DF There are 2 groups (A and B) in which the means

are not significantly different from one another.

3.9. Analysis of Variance Table for Tiller

Source	DF	SS	MS	F	P
Rep	3	9.8333	3.27778	5.41	0.0100
Treat	1	0.0600	0.06000	0.10	0.7573
Var	2	1.8533	0.92667	1.53	0.2485
Treat*Var	2	0.2800	0.14000	0.23	0.7964

Error	15	9.0867	0.60578
Total	23	21.1133	

Grand Mean 4.8833   CV 15.94

3.10. LSD All-Pairwise Comparisons Test of Tiller for Treat

Treat	Mean	Homogeneous Groups
Control	4.9333	A
dipped	4.8333	A

Alpha   0.05   Standard Error for Comparison 0.3177

Critical T Value 2.131   Critical Value for Comparison 0.6773

Error term used: Rep*Treat*Var, 15 DF There are no significant pairwise differences among the means.

3.11. LSD All-Pairwise Comparisons Test of Tiller for Var

Var	Mean	Homogeneous Groups
TDK5	5.1500	A
TDK7	5.0000	A
TDK10	4.5000	A

Alpha   0.05   Standard Error for Comparison 0.3892

Critical T Value 2.131   Critical Value for Comparison 0.8295

Error term used: Rep*Treat*Var, 15 DF There are no significant pairwise differences among the means.

3.12. LSD All-Pairwise Comparisons Test of Tiller for Treat*Var

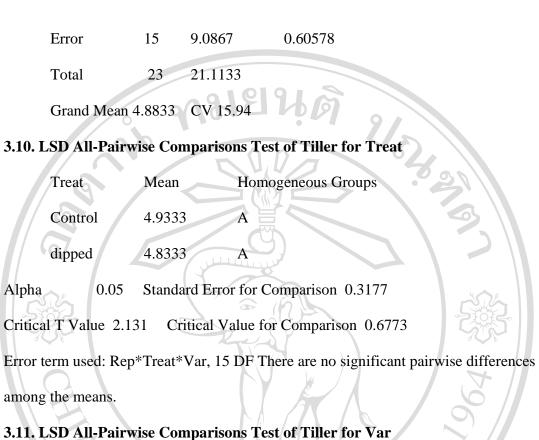| Treat	Var	Mean	Homogeneous Groups
dipped	TDK5	5.2000	A
Control	TDK5	5.1000	A
Control	TDK7	5.0000	A
dipped	TDK7	5.0000	A
Control	TDK10	4.7000	A
dipped	TDK10	4.3000	A

Alpha   0.05   Standard Error for Comparison 0.5504

Critical T Value 2.131   Critical Value for Comparison 1.1731

Error term used: Rep*Treat*Var, 15 DF There are no significant pairwise differences

among the means.

- **Harvest2**

3.13. Analysis of Variance Table for Pht

Source	DF	SS	MS	F	P
Rep	3	27.04	9.01	0.17	0.9158
Treat	2	1549.96	774.98	14.58	0.0001
Var	2	2253.70	1126.85	21.20	0.0000
Treat*Var	4	353.78	88.45	1.66	0.1911
Error	24	1275.62	53.15		
Total	35	5460.10			

Grand Mean 74.122   CV 9.84

3.14. LSD All-Pairwise Comparisons Test of Pht for Treat

Treat	Mean	Homogeneous Groups
Control	82.817	A
spray	72.583	B
dipped	66.967	B

Alpha   0.05   Standard Error for Comparison 2.9763

Critical T Value 2.064   Critical Value for Comparison 6.1428

Error term used: Rep*Treat*Var, 24 DF There are 2 groups (A and B) in which the means
are not significantly different from one another.

3.15. LSD All-Pairwise Comparisons Test of Pht for Var

Var	Mean	Homogeneous Groups
TDK5	85.150	A
TDK10	70.250	B
TDK7	66.967	B

Alpha   0.05   Standard Error for Comparison 2.9763

Critical T Value 2.064   Critical Value for Comparison 6.1428

Error term used: Rep*Treat*Var, 24 DF There are 2 groups (A and B) in which the means
are not significantly different from one another.

3.16. LSD All-Pairwise Comparisons Test of Pht for Treat*Var

Treat	Var	Mean	Homogeneous Groups
Control	TDK5	91.250	A

Spray	TDK5	85.300	AB
Control	TDK10	85.100	AB
dipped	TDK5	78.900	BC
Control	TDK7	72.100	CD
spray	TDK7	66.300	DE
spray	TDK10	66.150	DE
dipped	TDK7	62.500	DE
dipped	TDK10	59.500	E

Alpha   0.05   Standard Error for Comparison 5.1551

Critical T Value 2.064   Critical Value for Comparison   10.640

Error term used: Rep*Treat*Var, 24 DF There are 5 groups (A, B, etc.) in which the means are not significantly different from one another.

3.17. Analysis of Variance Table for Tiller

Source	DF	SS	MS	F	P
Rep	3	13.310	4.4367	1.13	0.3552
Treat	2	30.149	15.0744	3.85	0.0354
Var	2	29.536	14.7678	3.78	0.0375
Treat*Var	4	6.924	1.7311	0.44	0.7766
Error	24	93.880	3.9117		
Total	35	173.799			

Grand Mean 10.406   CV 19.01

3.18. LSD All-Pairwise Comparisons Test of Tiller for Treat

Treat	Mean	Homogeneous Groups
dipped	11.467	A
Control	10.517	AB
spray	9.233	B

Alpha   0.05   Standard Error for Comparison 0.8074

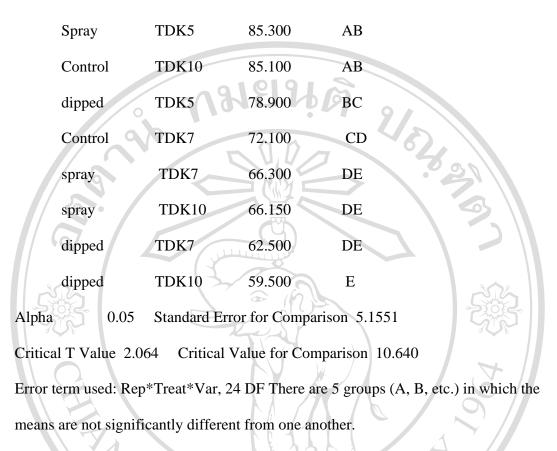Critical T Value 2.064   Critical Value for Comparison 1.6665

Error term used: Rep*Treat*Var, 24 DF There are 2 groups (A and B) in which the means

are not significantly different from one another.

3.19. LSD All-Pairwise Comparisons Test of Tiller for Var

Var	Mean	Homogeneous Groups
TDK5	11.383	A
TDK7	10.633	AB
TDK10	9.200	B

Alpha   0.05   Standard Error for Comparison 0.8074

Critical T Value 2.064   Critical Value for Comparison 1.6665

Error term used: Rep*Treat*Var, 24 DF There are 2 groups (A and B) in which the means

are not significantly different from one another.

3.20. LSD All-Pairwise Comparisons Test of Tiller for Treat*Var

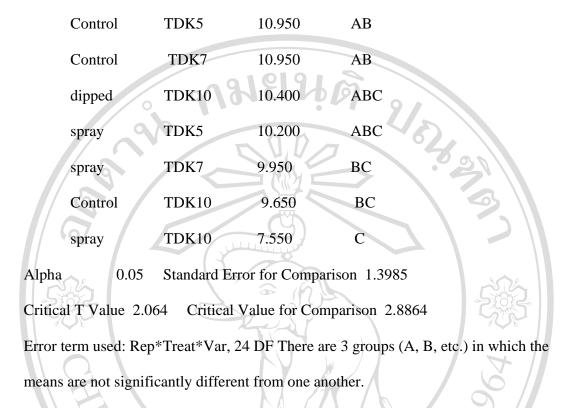| Treat	Var	Mean	Homogeneous Groups
dipped	TDK5	13.000	A
dipped	TDK7	11.000	AB

Control	TDK5	10.950	AB
Control	TDK7	10.950	AB
dipped	TDK10	10.400	ABC
spray	TDK5	10.200	ABC
spray	TDK7	9.950	BC
Control	TDK10	9.650	BC
spray	TDK10	7.550	C

Alpha   0.05   Standard Error for Comparison 1.3985

Critical T Value 2.064   Critical Value for Comparison 2.8864

Error term used: Rep*Treat*Var, 24 DF There are 3 groups (A, B, etc.) in which the

means are not significantly different from one another.

3.21. Analysis of Variance Table for Total DW

Source	DF	SS	MS	F	P
Rep	3	946.07	315.355	1.72	0.1895
Treat	2	118.07	59.035	0.32	0.7277
Var	2	1872.15	936.076	5.11	0.0142
Treat*Var	4	377.05	94.262	0.51	0.7258
Error	24	4398.56 1	83.273		
Total	35	7711.89			

Grand Mean 65.060   CV 20.81

3.22. LSD All-Pairwise Comparisons Test of Total DW for Treat

Treat	Mean	Homogeneous Groups
dipped	67.445	A
Control	64.676	A
spray	63.059	A

Alpha   0.05   Standard Error for Comparison 5.5268

Critical T Value 2.064   Critical Value for Comparison 11.407

Error term used: Rep*Treat*Var, 24 DF There are no significant pairwise differences among the means.

3.23. LSD All-Pairwise Comparisons Test of Total DW for Var

Var	Mean	Homogeneous Groups
TDK5	75.151	A
TDK7	61.292	B
TDK10	58.736	B

Alpha   0.05   Standard Error for Comparison 5.5268

Critical T Value 2.064   Critical Value for Comparison 11.407

Error term used: Rep*Treat*Var, 24 DF There are 2 groups (A and B) in which the means are not significantly different from one another.

3.24. LSD All-Pairwise Comparisons Test of Total DW for Treat*Var

Treat	Var	Mean	Homogeneous Groups
spray	TDK5	77.692	A
dipped	TDK5	73.925	A

Control	TDK5	73.836	A
dipped	TDK7	65.659	AB
dipped	TDK10	62.750	AB
Control	TDK10	62.161	AB
spray	TDK7	60.186	AB
Control	TDK7	58.031	AB
spray	TDK10	51.298	B

Alpha 0.05 Standard Error for Comparison 9.5727

Critical T Value 2.064 Critical Value for Comparison 19.757

Error term used: Rep*Treat*Var, 24 DF There are 2 groups (A and B) in which the means

are not significantly different from one another.

3.25. Analysis of Variance Table for Yield

Source	DF	SS	MS	F	P
Rep	5	6515.7	1303.13	1.64	0.1719
Treat	2	11823.8	5911.89	7.44	0.0018
Var	2	5356.2	2678.08	3.37	0.0444
Treat*Var	4	1902.2	475.56	0.60	0.6660
Error	40	31795.4	794.89		
Total	53	57393.			

Grand Mean 258.51 CV 10.91

3.26. LSD All-Pairwise Comparisons Test of Yield for Treat

Treat	Mean	Homogeneous Groups
dipped	279.05	A
spray	251.72	B
Control	244.77	B

Alpha   0.05   Standard Error for Comparison 9.3979

Critical T Value 2.021   Critical Value for Comparison 18.994

Error term used: Rep*Treat*Var, 40 DF There are 2 groups (A and B) in which the means

are not significantly different from one another.

3.27. LSD All-Pairwise Comparisons Test of Yield for Var

Var	Mean	Homogeneous Groups
TDK5	272.35	A
TDK10	253.86	AB
TDK7	249.32	B

Alpha   0.05   Standard Error for Comparison 9.3979

Critical T Value 2.021   Critical Value for Comparison 18.994

Error term used: Rep*Treat*Var, 40 DF There are 2 groups (A and B) in which the means

are not significantly different from one another.

3.28. LSD All-Pairwise Comparisons Test of Yield for Treat*Var

Treat	Var	Mean	Homogeneous Groups
dipped	TDK5	288.85	A
dipped	TDK10	282.93	AB

Control	TDK5	266.82	ABC
dipped	TDK7	265.37	ABC
spray	TDK5	261.39	ABCD
spray	TDK7	250.96	BCD
spray	TDK10	242.80	CD
Control	TDK10	235.85	CD
Control	TDK7	231.64	D

Alpha   0.05   Standard Error for Comparison 16.278

Critical T Value 2.021   Critical Value for Comparison 32.898

Error term used: Rep*Treat*Var, 40 DF There are 4 groups (A, B, etc.) in which the means are not significantly different from one another.

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